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TO:	FROM:
Commissioner for Patents	Rosalyn M. Espejo
COMPANY:	DATE:
U.S. Patent and Trademark Office	05/04/05
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
703-872-9306	10
PHONE NUMBER:	SENDER'S PHONE NUMBER:
703-308-1202	858-202-4556

RE:
 Inventors: Stuelpnagel et al.
 Serial No. 10/767,249
 Filing Date: January 28, 2004
 Title: COMPOSITE ARRAYS UTILIZING MICROSPHERES WITH A HYBRIDIZATION CHAMBER
 Docket No. 01-00009
 Confirmation No.: 4783
 Examiner: Not yet assigned
 Group Art Unit: 1845

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY PLEASE RECYCLE

NOTES/COMMENTS:**CERTIFICATE OF TRANSMISSION**

I, Rosalyn M. Espejo, hereby certify that this correspondence, including listed enclosures, is being transmitted by facsimile to the United States Patent and Trademark Office on May 4, 2005.

Signed: Rosalyn M. Espejo
 Rosalyn M. Espejo

Attached is a response to the Notice of Non-Compliant Amendment under 37 CFR 1.121, mailed April 25, 2005, for the above-referenced patent application.

CONFIDENTIAL

Reference No.: 01-00009

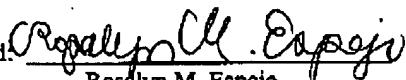
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MAY 04 2005

In re Application of:)
Stuelpnagel et al.) Confirmation No.: 4783
Serial No.: 10/767,249) Group Art Unit: 1645
Filed: January 28, 2004) Examiner: Not yet assigned
For: COMPOSITE ARRAYS)
UTILIZING MICROSPHERES WITH A)
HYBRIDIZATION CHAMBER)

CERTIFICATE OF TRANSMISSION

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Signed: 
Rosalyn M. Espejo

TRANSMITTAL LETTER

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing are the following:

- Response to Notice of Non-Compliant Amendment under 37 CFR 1.121 mailed April 25, 2005 (7 pages).
- Applicants claim small entity status.

Inventors: Stuelpnagel et al.
 Reference No.: 01-00009
 Serial No.: 10/767,249
 Filed: January 28, 2004
 Page: 2 of 2

PENDING CLAIMS

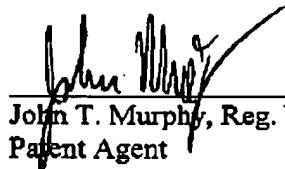
	No. of current claims	Highest number previously paid for	No. extra	Small entity fee	Other entity fee
Total claims	23	23	0	x 25 = \$ 0	x 50 = \$
Independent claims	1	1	0	x 100 = \$ 0	x 200 = \$
First presentation of multiple dependent claims	yes	<u>xx</u> no		+180 = \$ 0	+360 = \$
Total additional fee				\$ 0	\$

The Applicants believe that no additional fees are due. To the extent necessary, Applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension fees, but excluding issue fees, to Deposit Account No. 502690 (Order No. 01-00009) and please credit any excess fees to such deposit account.

Please address all correspondence to:

John T. Murphy
 Illumina, Inc.
 9885 Towne Centre Dr.
 San Diego, CA 92121-1975
 (Customer No. 29389)

Respectfully submitted,


 John T. Murphy, Reg. No. 50,583
 Patent Agent

Date: May 4, 2005

PATENT
Reference No.: 01-00009

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Confirmation No: 4783
Stuelpnagel et al.)
Serial No.: 10/767,249) Group Art Unit: 1645
Filed: January 28, 2004) Examiner: Not yet assigned
For: COMPOSITE ARRAYS)
UTILIZING MICROSPHERES WITH) CERTIFICATE OF TRANSMISSION
A HYBRIDIZATION CHAMBER)

I, Rosalyn M. Espejo, hereby certify that this correspondence, including listed enclosures, is being transmitted by facsimile to the United States Patent and Trademark Office on May 4, 2005.

Signed: 
Rosalyn M. Espejo

PRELIMINARY AMENDMENT

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Notice of Non-Compliant Amendment under 37 CFR § 1.121, mailed April 25, 2005, Applicants request entry of the following Preliminary Amendment and consideration of the accompanying remarks.

Amendments to the specification begin on page 2 of this paper.

Amendments to the claims begin on page 3 of this paper.

Remarks begin on page 6 of this paper.